6-Port DS3 Frame Relay/IP Input/Output (I/O) Module for the CBX 500® Multiservice WAN Switch

The 6-Port DS3 Frame Relay/IP Input/Output Module delivers high-speed, high-port density, and multiservice functionality to equip your CBX 500® Multiservice WAN Switch to support high-speed Frame Relay services, service provider to Internet connections, and secure IP VPNs. You can use the module to offer clear channel DS3 Frame Relay switching or transition existing services to a higher-speed ATM or MPLS core. The module also works in conjunction with the MXOS™ IP/MPLS Feature Pack to provide IP routing for the entire switch. The module helps reduce capital, service delivery, and operating costs with an integrated CSU/DSU, advanced provisioning features, and comprehensive performance monitoring.

Applications

- Offer high-speed frame relay/IP services to Internet service providers and large enterprises
- Provide high-density, high-speed broadband access
- Support secure IP VPN services
- Build high-speed backbone links to support mission-critical applications

Features

- High port density—up to 84 DS3 ports per switch
- Local Forwarding Engine (FE) provides IP routing for all cell-based and frame-based IP traffic
- Standards-based Frame Relay to ATM interworking
- QoS through Lucent Priority Frame™
- Fault tolerance through Priority Rerouting and Resilient NNI
- Software-configurable ports
- Integrated CSU/DSU
- BERT pattern, C-Bit Parity Format, and per-port user or trunk provisioning

Benefits

- Enables scalable IP services without significant new investments
- Helps reduce costs by transporting Frame Relay and IP services over a high-speed ATM core
- Simplifies network management with Navis® iOperations network management software

Technical Specifications

	Description	Specifications
1.	**Protocol Features Supported**	
	Frame Relay:	Frame Relay Forum standards, including FRF.5 and FRF.8
	IP:	TCP, UDP, ICMP, ARP, INARP, Telnet, TFTP, FTP, SNMP, OSPF, MOSPF, RIP, RIP2, BGP4, Static Routing, Traffic and route filters, IP QoS, DVMRP, PIM, IGMP
	Other Standards:	ANSI T1.102, RFC 1483, 1407, Telcordia TR-NWT-000820
2.	**Network Synchronization**	External and Internal Stratum 3
3.	**Operations, Administration and Maintenance**	
	Internal, external, and line loopback	
	Alarm monitoring	
4.	**Network Management**	
	Managed by Navis® Integrated Network Management Systems	
	Performance monitoring through NavisXtend®	

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5. **MIB support**	
RFC 1398 Ethernet MIB	
RFC 1213 TCP/IP-based Internet MIB	
6. **Physical Dimensions**	
Size:	1 in x 16 in x 11 in (2.5 cm x 40.6 cm x 27.9 cm)
Weight:	5 lb (2.3 kg)
7. **Power**	
Wattage:	105 watts
8. **Environmental:**	
Temperature range:	0° – 50° C (32° - 122° F)
9. **Regulatory Compliance:**	
Telecom:	FCC Part 15 Class A
Environmental/NEBS™:	GR-63-CORE GR-1089-CORE
Safety:	UL® 1950 EN60950
EMC Emissions and Immunity:	EN55022 Class A (CISPR)
10. **Interfaces**	
Physical Interface:	Six DS3 (44.736 Mbps) ports
Physical Connector:	Dual 75 ohm BNC connector

Specifications are subject to change without notice. Contact your Lucent representative for information on availability and upgrades. Lucent reserves the right to change, modify, transfer or otherwise revise this publication without notice.

To learn more about our comprehensive portfolio, please contact your Lucent Technologies Sales Representative, Lucent BusinessPartner or, visit our web site at www.lucent.com or www.lucent.com/products/multiserviceswitching.

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